IMAGING LENS

ABSTRACT

An imaging lens (100) comprising, arranged
sequentially from the object side, a positive-meniscus
first lens (1) with its convex plane facing the object
side, a negative-power-meniscus second lens (2), and a
positive-power third lens (3), the second and third
lenses (2, 3) functioning as correction lenses. The
first lens (1) has a strong power, and both the second
and third lenses (2, 3) are aspherical on opposite
planes. When the synthetic focal distance of the imaging
lens is f, the focal distance of the first lens fl, the
distance from the incident surface on the object side to
the imaging surface of the first lens (1) $\sum d$, and the
Abbe number of the second lens $\sqrt{d2}$, the following
conditional expressions are satisfied. 0.50 < fl/f < 1.5
(1) 0.50 < $\sum d$/f < 1.5 (2) 50 > $\sqrt{d2}$ (3). Accordingly, a
small, low-cost imaging lens capable of high-quality
imaging can be realized.